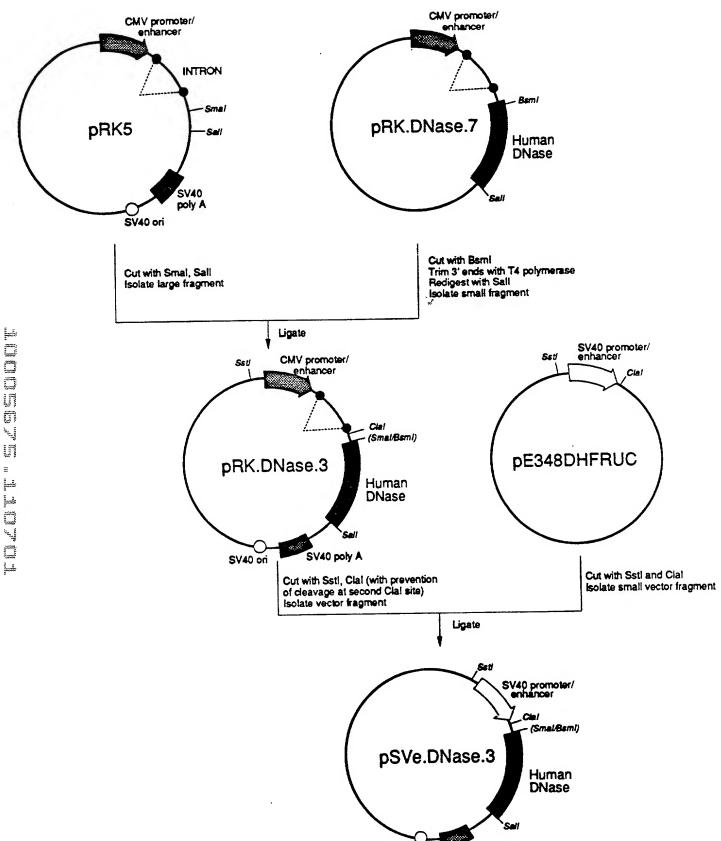
₽.	د			-4		_	•		g	
TCATCAAAGC AGTAGTTTCC SerSerLysAsp	TOCCACTOCC ACCCTCACCC euAlaLeuAla	CACCTACATT GTCGATGTAA 1SerTyrile	AATCAGGATG TTAGTCCTAC AsbGlbaspal	HCTCTTCGGT ACAGACGCCA alseralaval	CACACAGGEC GEGECTCCAG eThrGluyal	CACATATOCO CACATATACCO GlulystrpGly	CCCCCCCTT CCCCCCCTT CCCCCCCTT erProThrPh	ACCCCCTT TCCCCCCAA 9GlyAlaval	CTCCACTACG CTCCACTACG GluValMetLet	•
GAGAAAATTG CTCTTTTAAC gArglysleu	CCCCCCCACC GLYALaLeuL	CCACCCTCGF GCTGGGAGCA 1aThrLeuva	GCACAACCTC CCTGTTGGAG WASPASHLeu	CCTGACCAGG GGACTGGTCC ProaspGlnV	ACACCCGGT ACAGGGCCAA heSerArgPh	GGATGTCCAA CCTACAGGTT uAspvalgin	CTCTCCCCA GACACCTCTT Leutepthes	rcrecred Accaccacc etleuleuar	CTARCCAGE GATAGGTCAC STYTPROVAL	٠
CCPCCPTTTC CCFCCFTTTC erSerlysar	GAACTECTC CTTCGACGAC tlysteuleu	ATCTCCAATG TACAGGTTAC HetSerasna	GCHAGCTGCT CCTTCGACGA lylysleule	CCACATCACCC CCACATCACCC evaltyrarg	GRCAGGITCT CAGTCCAAGA ValargPheP	ACCECTACCE TOCACATOCA SPVeliyele	ATCCATCCCC TAGGTAGGCG rSerileary	GTTGCAGGA CAACGTCCT ValalaglyH	TCAGTGACCA AGTCACTGGT 1eSerAspH1	
TTTTCTTTAA AAAGAAATT PheSerLeuS	TCACCCCTT CAACTICAC ACTCCCCCTA CTTCCACGAC etargGlyHe tlysLeuleu	GCACACCAAG CCTCTGGTTC yGluThrlys	ACTOCCOTOG TGACGGCACC Thralevelg	GCTACCTGTT CGATGGACAA rgTyrLeuPh	GCCAGCCATT CGGTCGGTAA uProAlaile	GCTCTCTATG CGAGAGATAC AlaLeuTyrA	cccycrcorc cccrcycccvc ercintrpse	CAGGATCGTG GTCCTAGCAC PARGIJEVAL	GCCCAAGCCA CGGGTTCGG AlaGlaAlaI	
CACTACTTT CTGATGAAAA *ThrThrPhe	CATCTCAGOS GTAGAGTCCT H18LeuArgM	AGACATTIGG TCTGTAAACC InThrPheGl	CACCCACCTG GTCGGTGGAC pSerHisteu	TATAAGGAGC ATATTCCTCG TYTLY8GluA	TCAACCGAGA AGTTGGCTCT heasnargGl	CCAGATCGAC GCTCTAGCTG aGluileAsp	GEGAGACCET CACTCTGGGA ValargPros	CACCCAACA CACCCAAACT YSALSTYKAS	TCACCAACTG ACTGGTTGAC raspginkeu	
AAAGAAGTAT	ACATCACCAT TGTAGTGGTA YHISHISHIS	TTCAACATCC AAGTTGTAGG PheAsnileG	AGGTCAGAGA TCCAGTCTCT luvalargas	ACCCAACAGC TCCCTTGTCG YAFGASBSEF	AACGACACCT TTGCTGTGGA AshaspThrp	ACGCAGTAGC TGGGTCATCG spalavalal	CTCCACCTAT GACCTCGATA YCYSSETTYF	CCCACGCACT GGCTGCGTGA ProtheHisc	ATGCCCTGAG TACCGGACTC YTGLYLeuSe	
TTCAGAGACC AAGTCTCTGG PheArgAspl	ATCTCTGAGG TAGAGACTCC 1sleuop*Gl		CTGCTCCAGG GACCAGGTCC LeuvalGlnG	ACCACTGGG TCGGTGACCC luProleuGl	CCCCTGCGGG CCGCACGCCC uProCysGly	GCCCCGGGGG CGGGGCCCCC AlaProGlyA	TCAATGCGGG AGTTACGCCC heAsnAlaGl	CACAGCTACA GTGTCGATGT FThEALATHE	CAGCTGCCT GTCCGACGGA GINAIAAIAT	GAACTGCAG CTTGACGTC P*Thrala
CANGROCTIC CTTCACGAAG uLysCysPhe	CATTCTCGTC GTAAGAGCAG Hisselalgh	TOTCGTGAA ACAGGGACTT alserteuty	TCACATCCCC ACTCTACCCC FASPILEALS	Greenchere Caccagreac Valvalsere	ATGCCTCCGA TACCGACGCT spGlyCysGl	CCTGCATGCG GGACGTACGC oLeuHisala	ATGGGCCACT TACCCGCTGA MetGlyAspP	CCCCACTOTC CCCCACTOTC eraleaspth	CTTTAACTTC GAAATTCAAG OPheassnPhe	CACACCAGT GTGTGGTCAA Histheseed
CCAGGCCTT CCTCACCCAA			TCACCCCTA ACTCCCCCAT euSerArgTy	CTATCACTAC GATAGTGATG TTYTH 18TYT	TACTACCATG ATCATGCTAC TYTTYTASPA	CCATTOTICC GCTAACAAGG lailevalpr	CCTCATGTTG CCAGTACAAC PVALMETLEN	ATCCCCACA TAGGGGCTGT IleProAspS	CCCCACATCC CCCCACAAGG eralaleuPr	ACCCCTCCC TCGCGAGGG AALAProPro
ACCTOCACAG ACCACOTOTO				CACCAGACAC GTGGTCTGTG ProaspTh		ACCTCAAAC Arecluphea	CCTTCCACCA CCAACCTCCT LeuGluAs	CCAGTGGCTG GGTCACCGAC Glaftpleu		rchadrchoc acticactoc Lysopeal
н г		-	301		501	195	701	7 90	301	1001

FIGURE 2

hDNase	10 LKIAAFNIQTFGET	KMSNATLVS	*****	ALVQEVRDSH	LTAVGK
bDNase	LKIAAFNIRTFGET 10		YIVRIVRRYDI 30	VLIEQVRDSH 40	ILVAVGK 50
hDNase	LLDNLNQDAPDTYH *** **** *.*** LLDYLNQDDPNTYH	IYVVSEPLGRI ******* IYVVSEPLGRI	*******	RPDQVSAVDS **** .*. RPNKVSVLDI	YYYDDG * ****
hDNase	110 CEPCGNDTFNREPA **.**** CESCGNDSFSREPA 110	IVRFFSRFTI *.* *. * AVVKFSSHSTI	*.****.**	AAPGD A VAEI **.****** ISAPSDAVAEI	DALYDV **** INSLYDV
hDNase bDNase	160 YLDVQEKWGLEDVN ******* YLDVQQKWHLNDVN 160	ILMGDFNAGC:	*** .*****	RLWTSPTFQV ***.**.**** RLRTSSTFQV	VLIPDSA ****** VLIPDSA
henase benase	DTTATPTHCAYDR: *********** DTTATSTNCAYDR:	IVVAGMLLRG. ***** ** IVVAGSLLQS	.** ** **.	IFQAAYGLSD(.****** DFQAAYGLSNI	OLAQAIS * *** EMALAIS
hDNase bDNase	260 DHYPVEVMLK ****** * DHYPVEVTLT 260				

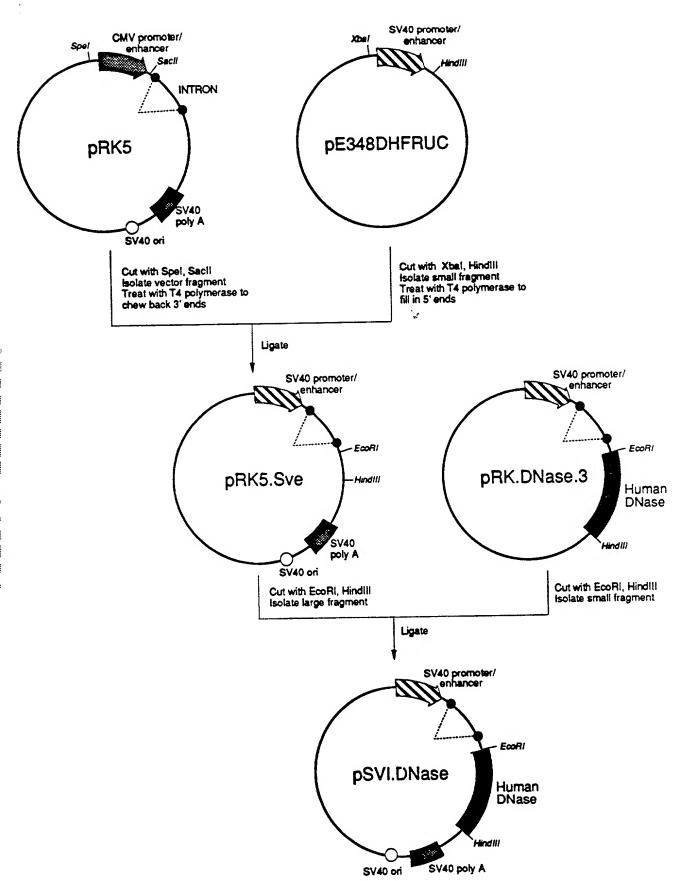
Fig. 3

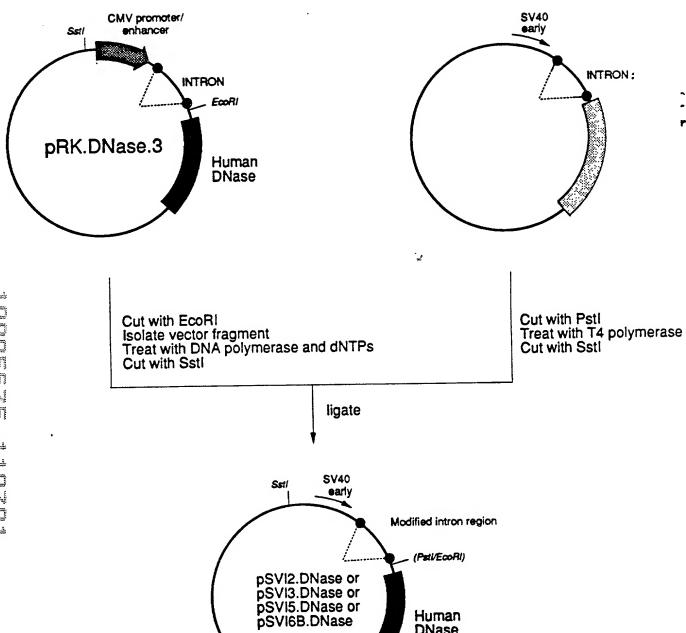


SV40 poly A

SV40 ori

Fig. 4





DNase

nlaIV 11 11 11 GGCTCCCCAG CAGGCAGAAG CCGAGGGGTC GTCCGTCTTC AfaNI ns11	avalli nlalili sphi nspcix GCATGCATCT CAATTAGTCA CGTACGTAGA GTTAATCAGT	ACTAATTTT TTTATTATG TGATTAAAAA AAATAAATAC SCFFI nCil	mspl hpall caull haelli hludili asul AAGCTTATCG GGCCGGGAAC TTCGAATAGC CCGGCCCTTG fnu4HI thal fnubII asel	CCCCTTGGCT TCGTTAGAAC CCGCCGATGTT GGGGAACCGA AGCAATCTTG CGCCGATGTT
nlaIV scrF1 ecoRII bstNI AAAGTCCCCA GGCTCCCCAG TTTCAGGGGT CCGAGGGGTC nsfaNI	AG	nialli styl ncol carrerece eccarecere graagaege eegraeeae	styl haeili stui haei haei haei conscrange currungcaaa cuccedarce gaaaacgrur bstxl sau961 haeili styl	TATAGAGTCT ATAGGCCCAC CCCTTGGCT ATATCTCAGA TATCCGGGTG GGGGAACCGA
	AGCAGGCAGA TCGTCCGTCT	CATTCTCGG GTAAGAGGCG	styl avril haeill stuf haei mnli cAGGCCTAGG CTCCGGATCC bstxl sau961 haeill	TATAGAGTCT ATAGGGCGAC ATATCTCAGA TATCCGGGTG
GTCTGTCAGT TAGGGTGTGG CACACAGTCA ATCCCACACC	nlalv scrFl ecoRll bstNl c cAGGCTCCC	bsrl TAACTCCGCC CAGTTCCGCC ATTGAGGCGG GTCAAGGCGG	mnll Gragfagfagan GCCFFFFFG CAFCACFCCF CCGAAAAAAC ple1 rsal	
uI GCTGTGGAAT GGACACCTTA	nlalv scrFl ecoRll bstNl GGAAGTCC CAGGCTCCC CCTTCAGG GTCCGAGGGG		mnl1 mnl1 GrAGTGAGGA CATCACTCCT C	AGAGTGACGT AAGTACCGCC TCTCACTGCA TTCATGGÇGG
taql sall hindil hincil accl alul hinfl pvull AGAGTGGAAT	scrF1 ecoR11 bstN1 AACCAGGTGT TTGGTCCACA	foki c Atccccccc g TAGGGCGGGG	T Tatecagaa Ataaggiett	
ATTATTGACT F	ATTAGTCAGC TAATCAGTCG	AACTCCGCC TTGAGGCGG	ddel haelil mmll alul G GCTCTGAGC' SC CGGAGACTCG	CCCCGTGCCA
CCCGACATTG A	nsil avalii nlaiii sphi sfani nspcix nsca Argcarctca	TCCCGCCCCT	inu4HI byll fil reIII reIII seIII seCCCCCCCCCCCCCCCCCCCCCCCCCCC	GGTGCATTGG AACGCGGATT CCCCGTGCCA
aluI sstI sacI hgiJII hgiAI bsp1286 banII taqI taqI	nsii avaiii nlaiii sphi sfaNi nspCix	ATACUTITUS 201 GCAACCATAG CGTTGGTATC		
	101	201	301	401

TOCOE L'A BOOOT

sau961 aval1 asu1 scrF1 ecoR11 bstN1 msel note ATG spanting TGACACTATA START ACGATTTAGG TGACACTATA GAATAACATG CACTTTGCCT TTCTCTCCAC AGGTGTCCA TCCCAGGTCC AGTGTCCAGGTCCAGGTCCAGATACATA ACCTTATGTA TCATACAT AGGATGTGT TGCTAAATACATGTGTAT TGGAATACAT AGTATGTGTA TGCTAAATCC ACTGTGATAT CTTATTGTAG GTGAAACGGA AAGAGAGGTG TCCACAGGTG AGGGTCCAGG

bspMI alui pstI hindIII fnu4HI ddeI bbvI

msel

- Gloning linker 601 AACTGCACCT CGGTTCTAAG CTTGGGCTGC AGGTCGCCGT GAATTTAAGG GACGCTGTGA AGCA TTGACGTGGA GCCAAGATTC GAACCCGACG TCCAGGGGCA CTTAAATTCC CTGCGACACT TCGT

CAGGCAGAAG GTCCGTCTTC	CAATTAGTCA GTTAATCAGT	TT	scrFI ncil ncil nspI hpaII hpaII xmaIII eagi eagi cfrI aluI mspI cauII hindIII hpaII	fnu4HI thaI thaI fnuDII asel styl sp6 promoter cccrrrgGCTT TCGTTAGAAC	AGCAATCTTG CGCCGAIGTT
nlaIV I I I GGCTCCCAG	sfaNI nsiI avaIII sphi nspCIX GCATGCATCT	астаатттт Тбаттааааа	xm ea cf alul msp hindiii hpa AAGCTTATCC	fn thaI fnuD bstU sp6 promoter TCGTTAGAAC GG	
n1 scrFI ecoRII bstNI AAAGTCCCCA GG	AGTATGCAAA TCATAGGTTT	nlalil styl ncol cccatggctg	styl *. avrII haeIII haeI mnlI GAGGCTAGG CTTTGCAAA		GGGGAACCGA
			styl avrll haelll stul hael mnll GAGGCCTAGG	bstXI sau961 hae111 asu1 AYAGGCCAC	TATCCGGGTG
tagl sall hindlI hinclI acci plet alut hinfl pvult AGAGHGGAAF GFGFGAGFFGG TCTCAGFF CGACACCC	nlalV serPl reoRll bstNl GGAAAGTCCC AGCAGGTAGA CCTTTCAGGG GTCCGAGGGG TCGTCT	bsri TAACTCGGC CAGTTCGGC CATTCTCGC ATTGAGGCGG GTCAAGGCGG	11 GGCTTTTTG CCGAAAAAC	bstXI sau961 sau961 hiel haelII hinfl rsal hinfl asul II matched splice donar	TCTCAGTCCA TTCATGGCGG ATATCTCAGA
tagl sall hindlI hinclI acci plet alut hint! pvull AGAGICGACA GCTGTICGAAT!	sc bs GGAAAGTCCC CCTTTCAGGG	bs TAACTCGGC ATTGAGGCGG	mnll mnll GTAGTGAGGA GC	ple rsal hir matched splice donar	I'rca'rggcss
taqi sali hindli hincli acci plei alui hinfi pvuli	scrFI ecoRJI bstNI AACCAGGTGT TTGGTCCACA	fokI c Atcccccc g TAGGCGGGG	I TATTCCAGAA ATAAGGTCTT	pleI hinfI UI ma	AGAGTCAGGT TCTCAGTCCA
ATTATTGACT TAATTAGACT	ATTAGTCAGC TAATCAGTCG	fo AACTCCGCCC TTGAGGCGGG	ddel haeIII alu s GCTTTGAGC		CCCCGTGCCA
CCCGACATTG	nsil avalli lalli ocis sfani Argcarcrea	forcecce AACTCCGCCC AGGCGGGA TTGAGGCGGG		hinfi thai fnuDII bstUI	AACGCGGATT TTGCGCCTAA
					GGTGCATTGG CCACGTAACC
. .	101	201	301		401

FIGURE TO THE TOTAL CONTROLLAR TO THE TOTAL CONTROLLAR

sau96I avaii asui

scrF1 ecoR11 bstN1

msel note ATG specifications of the start specifications of the start start activated acctivated accident acctivated accti

bspMI pst1 fnu4HI bbv1 aluI hindIII † ddeI

mnll

msel

eloning linker
601 AACTGCACCT CGGTTCTAAG CTTGGGCTGC AGGTCGCCGT GAATTTAAGG GACGCTGTGA AGCA
TTGACGTGGA GCCAAGATTC GAACCCGACG TCCAGGGGCA CTTAAATTCC CTGCGACACT TCGT

rocur, Febour

CCAG CAGGCAGAAG	sfani 11 alii 111 1x GCATCT CAATTAGTCA GGTAGA GTTAATCAGT	TT	scrF1 ncil mspl hpall haeill xmalll eagi eagi	alui mspi cauli hindili hpali AAGCTTATCC GGCGGGAAC TTCGAATAGG CCGGCCCTTG	fnu4HI thaI fnuDII bstUI aseI sp6 promoter mcgmmaGAAC GCGGCTACAA	AGCAATCTTG CGCCGATGTT
laľ I GCT	ns av nla sphi nspc GCAT	ACTAATTTT TGATTAAAA				
nl scrFI ecoRII bstNI AAAGTCCCCA GG	AGTATGCAAA TCATACGTTT	nlallI styl ncol cccATGGCTG GGGTACCGAC	`*	C!TTTGCAAA GAAAACGTTT	styI	GGGGAACCGA
	AGCAGGCAGA TCGTCCGTCT	CATTCTCCGC	styl avrll hacili	stul hael mnll GAGGCCTAGG	bstXI sau96I harIII asuI	ATAGGGGTG TATCGGGGTG
GFGTGTCAGT TAGGGTGTGG CACACAGTCA AFCCCACACC		bsrI TAACTCCGCC CAGTTCCGCC CATTCTCCGC ATTGAGGCGG GTCAAGGGCG		mnll mnll GTAGTGAGGA GGCTFTTTTTG CATCACTCCT GGGAAAAAAC	ple1 hinft e donar	AGAGTCAGGT AAGTACCGCC TATAGAGTCT ATAGACCAC CCCTTGGG TCTCAGTCCA TTCATGGCGG ATATCTCAGA TATCCGGGTG GGGAACCGA
u I I I GCTGTGGAAT CGACACCTTA	nlalV scrFl ecoRII bstNI bstNI GGAAAG'FCCC CCTT'ITCAGG G'I'CCGAGGGG			mnll mnll GTAGTGAGGA G	plo rsal hit matched splice donar	AAGTACCGCC TTCATGGCGG
tagl sall hindII hincII accl aluI hinf pler AGAGYCGACA GCTGTGGAAT	SCLFI ecoRiI bstNi AACCAGGTGT	foki c Atccccccc g TAGGCGGGG		r Tatiticcagaa Ataaggtetit		
ATTATTGACT /		fo AACTCCGCCC TTGAGGCGGG		ddel haelli mnll alul is sccrcrsAsc '		AACGCGGATT CCCCGTGCCA TTGCGCCTAA GGGGCACGGT
CCCGACATTG			fnu4HI	bgil sfil haeili i mnli GGCGCCTC		
	nsil nsil avalli sphl sfani nspclx TATGCAAAGC ATGCATCTCA	ATACGTTTCG GCAACCATAG		haellI ha mnll mnll cAGAGGCCGA GG		GGTGCATTGG CCACGTAACC
:	101	201		301		401

aluI hindiii

sau961 avall asul

taqI bstBI asuII

mnll

scrF1 ecoR11 bstN1

sau3Al mbol dpni alwi xhoII nlaIY bstYI

501

TTAATACATA ACCTTTGA AFG LARIAL CONSENSUS
TTAATACATA ACCTTTGGA TCCTATAGAC TGACATCCAC TTTGCCTTTC ACAGGTCCAGG TCCAGGTTGAG TGCACGTGGAGCTTTAGAAACCT AGGATATCTG ACTGTAGGTG AAACGGAAAG AGGTTGGAAAACCT AGGATATCTG ACTGTAGGTG AAACGGAAAA AATTATGTAT TGGAAAACCT AGGATATCTG ACTGTAGGTG AAACGGAAAA

msel hgal

GGGCTGCAGG TCGCCGTGAA TTTAAGGGAC GCTGTGAAGC A CCCGACGTCC AGCGGCACTT AAATTCCCTG CGACACTTGC T bspM1 pstI fnu4HI bbv1

```
aluI
                                                         taqI
         sstI
                                                        salI
         sacI
                                                        hindII
         hqiJII
                                                        hincII
         hgiAI
                                                        accI
         bsp1286
                                                     pleI
                                                                aluI
         banII
                                                     hinfI pvuII
      tagI
  1 TTCGAGCTCG CCCGACATTG ATTATTGACT AGAGTCGACA GCTGTGGAAT GTGTGTCAGT AAGCTCGAGC GGGCTGTAAC TAATAACTGA TCTCAGCTGT CGACACCTTA CACACAGTCA
                                                                                    nsiI
                                                                                    avaIII
                                    nlaIV
                                                                                 nlaIII
                               scrFI
                                                                               sphI sfaNI
                               ecoRII
                                                                               nspCIx
                              bstNI
 61 TAGGGTGTGG AAAGTCCCCA GGCTCCCCAG CAGGCAGAAG TATGCAAAGC ATGCATCTCA ATCCCACACC TTTCAGGGGT CCGAGGGGTC GTCCGTCTTC ATACGTTTCG TACGTAGAGT
                                                       nlaIV
                                                  scrFI
                        scrFI
                                                  ecoRII
                        ecoRII
                                                 bstNI
                        bstNI
121 ATTAGTCAGC AACCAGGTGT GGAAAGTCCC CAGGCTCCCC, AGCAGGCAGA AGTATGCAAA TAATCAGTCG TTGGTCCACA CCTTTCAGGG GTCCGAGGGG TCGTCCGTCT TCATACGTTT
           sfaNI
        nsiI
        avaIII
       nlaIII
     sphI
                                                                                  fokI
     nspCIx
181 GCATGCATCT CAATTAGTCA GCAACCATAG TCCCGCCCCT AACTCCGCCC ATCCCGCCCC CGTACGTAGA GTTAATCAGT CGTTGGTATC AGGGCGGGGA TTGAGGCGGGG TAGGGCGGGG
                                                       nlaIII
                                                      styI
                                                      ncoI
                   bsrI
241 TAACTCCGCC CAGTTCCGCC CATTCTCCGC CCCATGGCTG ACTAATTTT TTTATTTATG ATTGAGGCGG GTCAAGGCGG GTAAGAGGCG GGGTACCGAC TGATTAAAAA AAATAAATAC
                       fnu4HI
                       bglI
                      sfiI
                                           ddeI
                                                                                 mnlI
                                  haeIII
            haeIII haeIII
                                               aluI
                                                                            mnlI
                           mnlI
                                     mnlI
         mnlI mnlI
 301 CAGAGGCCGA GGCCGCCTCG GCCTCTGAGC TATTCCAGAA GTAGTGAGGA GGCTTTTTTG
GTCTCCGGCT CCGGCGGAGC CGGAGACTCG ATAAGGTCTT CATCACTCCT CCGAAAAAAC
                                                        scrFI
                                                        nciI
                                                        mspI
                                                        hpall
                                                      haeIII
                                                   xmaIII
            styI
                                                   eagI
            avrII
                                                                                              hinfI
                                                   eaeI
         haeIII
                                                                                         thaI
                                                   cfrI
        stuI
                                                                                         fnuDII
                                                 mspI cauII
                                        aluI
        haeI
                                      hindIII hpaII
                                                                                        bstUI
 361 GAGGCCTAGG CTTTTGCAAA AAGCTTATCC GGCCGGGAAC GGTGCATTGG AACGCGGATT CTCCGGATCC GAAAACGTTT TTCGAATAGG CCGGCCCTTG CCACGTAACC TTGCGCCCTAA
       mnlI
                                                                              bstXI
                                                                          sau96I
                                                            pleI
hinfI
                                                                          haeIII
                        pleI
                                                                          asuI
                                                                                         styI
                                         rsaI
                              Ul matched splice donar
 421 CCCCGTGCCA AGAGTCAGGT AAGTACCGCC TATAGAGTCT ATAGGCCCAC CCCCTTGGCT
       GGGGCACGGT TCTCAGTCCA TTCATGGCGG ATATCTCAGA TATCCGGGTG GGGGAACCGA
```

```
F1G. 7
                                                             sau3AI
                                                             mboI
                                         (cont)
                                                             dpnI
                                                              alwI
                                                            xhoII
                    fnu4HI
                                                            nlaIV
                                                            bstYI
                  thaI
                 fnuDII
                                                            bamHI
                                   mseI
                                                            alwI
                 bstUI
                                 aseI
                                                          removed ATG
       sp6 promoter
                                                                      U2 match lariat consensus
481 TCGTTAGAAC GCGGCTACAA TTAATACATA ACCTTTTGGA TCCTACTAAC TACTGACTTA AGCAATCTTG CGCCGATGTT AATTATGTAT TGGAAAACCT AGGATGATTG ATGACTGAAT
                                                          sau96I
                                                          avaII
                                                                                         thaI
                                                          asuI
                                                                                        fnuDII
                                                      scrFI
                                                                                        bstUI
                                                      ecoRII
                                                                            mnlI nruI hindIII cloning linker
                                                                            mnlI
                                                      bstNI
541 TTCTTTTCCT TTCTCTCAC AGGTGTCCAC TCCCAGGTCC AACTGCACCT CGGTTCGCGA AAGAAAAGGA AAGAGAGGTG TCCACAGGTG AGGGTCCAGG TTGACGTGGA GCCAAGCGCT
                     bspMI
               pstI
fnu4HI
                                                      hgaI
                                             mseI
      aluI
               bbvI
   1
```

601 AGCTTGGGCT GCAGGTCGCC GTGAATTTAA GGGACGCTGT GAAGCA TCGAACCCGA CGTCCAGCGG CACTTAAATT CCCTGCGACA CTTCGT

nlalV scrFi ecoRII bstNI AAAGTCCCCAG CAGGCAGAAG TTTCAGGGGT CCGAGGGGTC GTCCGTCTTC	ns av nla sphi nspC GCAT	ACTAATTTT TTTATTTATG TGATTAAAAA AAATAAATAC	ha xmai eagi eagi eagi cfri cfri alui mspi hindiii hpaii AAGCTTATCC GG	fnu4HI thaI thaI fnuDII bstUI sp6 promoter r TCGTTAGAAC GCGGCTACAA
nl scrfI ecoRII bstNI AAAGTCCCCA GG	AGTATGCAAA TCATACGTTT	nlalll styl ncol CCCATGCCTG GGGTACCGAC	styI avrII haelII *. stul hael mnli GAGGCTAGG CTTTGCAAA	styl scccmggcr gggaacca
TAGGGTGTGG	AGCAGGCAGA TCGTCCGTCT	CATTCTCCGC GTAAGAGGCG		bstXI sau961 hae111 asu1 ATAGGCCCAC
	nlalV scrFl ecoRll bstNl C CAGGCTCCCC		11 GGCTTTTTG CCGAAAAAAC	bstXI sau961 hinf1 rsal hinf1 asu1 Ul matched splice donar AGAGTCAGGT AAGTACGCC TATAGAGTCT ATAGGCCCAC
taqi sali hindii hincii acci plei alui hinfi pvuli KGAGTGACA GCTGTGGAAT GTGTGTCAGT	nlalv scrFl ecoRll bstNl GGAAAGTCCC CAGGTCCCC CCTTTCAGGG GTCCGAGGGG	bsrl TAACTCCGCC CAGITCCGCC ATTGAGGCGG GTCAAGGCGG	mnll mnll GTAGTGAGGA G	pleI hinfI rsaI Ul matched splice donar Ul matched splice donar TCTCAGTCCA TTCATGGCGG ATATCT
taqI sali hindII hincII accI pleI aluI hinfI pvuII AGAGTCGACA GCTGTGGAAT	SCLFI ecoRII bstNI AACCAGGTGT TTGGTCCACA	ATCCCGCCCC FAGGGGGGG	I TATTCCAGAA ATAAGGTCTT	pleI hinfI Ul ma AGAGTCAGT TCTCAGTCCA
ATTATTGACT /	ATTAGTCAGC TAATCAGTCG	fo) AACTCCGCCC /	ddel haeili malli alui GGCTCTGAGG	CCCCGTGCCA
CCCGACATTG A			fnu4HI bglI sfil haeIII I mnlI	
alui ssti saci hgiJii hgiJii bspi286 banii taqi TTCGAGCTCG	ns1I avalII nlaIII sphi sfaNI nspcix TATGCAAAGC ATGCATCTCA	GCAACCATAG TCCCGCCCT	haeIII h mnll mnlI	GTCTCCGGCT GGTGCATTGG CCACGTAACC
## ##	101	201	301	401

TOKOTE SKEDOOT AG.0 (04,

sau3AI
mboI
dpnI
alwI
xhoII
nlaIV
bstYI
bamHI

meet

removed ATG

1 601 GCTTGGGCTG CAGGTCGCCG TGAATTTAAG GGACGCTGTG AAGCA CGAACCCGAC GTCCAGCGGC ACTTAAATTC CCTGCGACAC TTCGT

msel

bspMI pstI fnu4HI bbvI

fokī

nrul hind !!! thal alul fnuDII bstHI

Mull

sau961 avall asul

*.

scrFI eroRII brtNL

Fig. 11 splice donor TGACGTAAGTAC...<u>ATG</u>TÁTCATACACATACGATT<u>TAGGTGACA</u>CTATÁGAATAACATCCACTTTGCCTTTCTCCCACAGGT spurious S.D.? SVI2 TCACCTAAGTAC...ATGTATCATACACATACGATTTAGGTGACACTATAGAATAACATCCACTTTGCCTTTCTCCCACAGGT TCACCTAACTAC...TTCCATC CTATAGACTCACACTTTGCCTTTCTCCACAGGT
BPS IID ETACTACTACTACTACTATTCTTTTTTTTTTTTTTTCTCCACAGGT

BPS IIC BPS IIB BPS III SVI5 TCACGTAGTAC...TTCGATC CTACTGA CACATCCACTTTTTCTTTTTTCTCACACGGT SVI6B TGAGGTAAGTAC...TTGGATC BPS IIB BPS IIA